

TRUNOVÁ, M.M.

Some particularities in the interaction of the first and second  
signal systems in obsessional neurosis. Trudy Inst.vys.nerv.  
deiat. Ser.patofiziol. 1:81-96 '55. (MIRA 9:8)  
(FIXED IDEAS) (CONDITIONED RESPONSE)

TRUNOVA, M.M.

Impairment of the coordination of the signal systems in obsessional neurosis and psychasthenia. Trudy Inst.vys.nerv.deiat. Ser.patofiziol. 5:177-195 '58 (MIRA 11:12)

(CONDITIONED RESPONSE)  
(OBSESSIONS)

TRUNOVÁ, M.M.

Change in the higher nervous activity and in some vegetative reactions  
following insulin-induced hypoglycemia. Trudy Inst. vys. nerv.  
deiat. Ser. patofiziol. 7:200-209 '60. (MIRA 14:4)  
(NERVOUS SYSTEM) (CONDITIONED RESPONSE) (INSULIN SHOCK THERAPY)

TRUNOVA, M.M.

Changes in the cortical dynamics of patients with the paranoid form  
of schizophrenia in the process of insulin-produced hypoglycemia.  
Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 7:210-219 '60.

(MIRA 14:4)

(SCHIZOPHRENIA) (INSULIN SHOCK THERAPY) (CONDITIONED RESPONSE)

TRUNOVÁ, M.M.

Some particularities in the interaction of the first and second  
signal systems in obsessional neurosis. Trudy Inst.vys.nerv.  
deiat. Ser.patofiziol. 1:81-96 '55. (MIRA 9:8)  
(FIXED IDEAS) (CONDITIONED RESPONSE)

TRUNOVA, M.M.

Interaction of simultaneous conditioned responses formed with the aid of different reinforcements in healthy people and persons with a simple form of schizophrenia. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 6:30-37 '61. (MIRA 14:12)

1. Iz Laboratorii patofiziologii i terapii vysshoy nervnoy deyatel'nosti cheloveka, zav. - I.V. Strel'chuk.  
(CONDITIONED RESPONSE) (SCHIZOPHRENIA)

TRUNOVÁ, M.M.

Effect of prolonged sleep on cortical dynamics in patients with  
obsessional neurosis. Trudy Inst.vys.nerv.deiat. Ser.patofiziol.  
1:250-266 '55.  
(FIXED IDEAS) (SLEEP--THERAPEUTIC USE)

L 1597-66

ACCESSION NR: AP5024774

UR/0219/64/058/009/0072/0074

29B

AUTHOR: Trunova, N. M.

TITLE: Effect of gamma-radiation on the absorption spectrum of visual purple

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 58, no. 9, 1964,  
72-74

TOPIC TAGS: experiment animal, medical experiment, gamma irradiation, absorption spectrum, ophthalmology

ABSTRACT: The stated purpose of this work was to study the changes in visual purple caused by gamma-irradiation of the retina of frogs in doses substantially higher (96.6 r/sec., total dose 200,000 r., 32 min. 50 sec. exposure) than those used in experiments of J. Peskin (Am. J. Ophthal., 1955, Vol 39, p 849). Spectrophotometric data showing decoloration of the visual purple under these conditions is given as proof of the photochemical mechanism of the action of this radiation on the retina, but the actual way this is accomplished remains unclear. Orig. art. has: 2 graphs, 1 table, 1 formula.

Card 1/2

L 1597-66

ACCESSION NR: AP5024774

ASSOCIATION: none

SUBMITTED: 22Jul63

ENCL: 00

SUB CODE: LS, NP

NR REF Sov: 002

OTHER: 003

JPRS

Card 2/2 *Df*

POGOSYAN, R.I.; TRUNOVA, N.M.; TSYPIN, A.B.

Electric reaction of the retina to  $\gamma$ -rays of Co<sup>60</sup>. Biul. eksp.  
biol. i med. 52 no.12:50-53 D '61. (MIRA 14:12)

1. Nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR A.V.  
Lebedinskiy. Predstavlena deystvitel'nym chlenom AMN SSSR A.V.  
Lebedinskim.

(RETINA) (GAMMA RAYS--PHYSIOLOGICAL EFFECT)  
(ELECTROPHYSIOLOGY)

ANTONOV, P.D.; TRUNOVA, N.N.

Meteorological and synoptic characteristics of storms and their  
prognosis in the Chernovtsy region. Trudy UkrNIGHTI no.12:57-68  
'58. (MIRA 11:12)

(Chernovtsy region--Cyclones)

VOSKRESENSKIY, D.I.; GRANOVSKAYA, R.A.; DERYUGIN, L.N.; NAUMENKO, Ye.D.;  
TRUNOVA, N.V.

Measuring the coupling resistance of a retarding system with contact-less plates. Izv.vys.ucheb.zav.; raditekh. no.5:565-572 S-O '58.  
(MIRA 12:1)

1. Rekomendovano kafedroy radioperedayushchikh ustroystv Moskovskogo  
ordena Lenina aviationskogo instituta imeni Sergo Ordzhonikidze.  
(Radio measurements)

*TRUNOVA, N.U.*

SOV/RM2-58-4-14/30

AUTHOR: Voskresenskiy, D.I., Granovskaya, R.A., Letyugin, L.N., Naumenko, Ye.D., Trunova, N.U.

TITLE: A Delay System of Periodic Structure with Non-Contact Plates (Zasedyayushchaya sistema periodicheskoy struktury s nekontaktnymi platenami)

PERIODICAL: Izdatelstvo vysashih uchebnykh zavedeniy - Radiotekhnika, 1958, Nr. 4, pp. 480-483 (USSR)

ABSTRACT: The paper discusses a delay system consisting of two rows of symmetrically placed plates which have no contact with the walls arranged in the form of a right-angled sawtooth. This system is intended for a travelling-wave tube with additional acceleration of the electrons by permanent fields in interaction space. The effects of the system's dimensions on its electrodynamical characteristics are analyzed and a method of cold measurement of their dispersion curves is described. Experimental dispersion curves for some models of the system are adduced. As theoretical analysis of the

electromagnetic parameters is complicated by their geometrical complexity, special attention is paid to the experimental investigation of this system. For all the models studied a change in retardation from 4 to 7 corresponds to a relative frequency band of 10% - 15% and a displacement of the nodal plane of roughly 10% from the total height of the plate h. The coupling impedance at the axis of acceleration is several is 10 - 30 ohm. Maximum coupling impedance is relatively small and does not go below 10 ohm. Maximum possible retardation ( $\lambda_{MAX}$ ) in the system is determined by the general formula:

$$\lambda_{MAX} = \frac{c}{2} \sqrt{\frac{h}{\rho}}$$

The resonance method was used to measure the retardation. The measuring method is accurately described, as well as the results of experimental investigation. In the frequency band corresponding to the variation in the frequency from 4 to 7 has the same order of magnitude as in corresponding three channel systems.

Card 2/2

ASSOCIATION: Radiotekhnicheskaya promstroytelnaya Moskovskogo Ordona Lennina Aviatikonego instituta (stalin Series) Ordinolitidze (Chair of Radio Transmitter Equipment, Moscow Order of Lenin Aviation Institute Serio Ortononikide)

SUBMITTED: March 17, 1958

Card 3/3

TRUNOVA, N.V.

Certain methods for controlling the dispersion and coupling  
impedance of ribbed rectangular wave guides. Radiotekhnika  
16 no.8:13-21. Ag '61. (MIRA 14:7)  
(Wave guides)

9(1)

SOV/112-59-1-2002

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 288 (USSR)

AUTHOR: Trunova, N. V.

TITLE: On the Theory of Cophasal Waves in a Rectangular Periodic Comb-Type Waveguide

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Radiotekhnika, 1958, Nr 1,  
pp 105-122

ABSTRACT: Cophasal waves in a waveguide having a periodic comb-type structure are considered. An infinite determinant of the exact indicial equation of cophasal waves has been found. The equation is solved by the approximation method. The first approximation takes into account only zero-order harmonics. With perfectly thin teeth of the comb, the correction to the propagation constant, in the second approximation that takes into account the first harmonics, does not exceed 25% of the value of the first approximation. Coupling impedance has been computed for various sizes of the waveguide. Electromagnetic

Card 1/2

SOV/112-59-1-2002

**On the Theory of Cophasal Waves in a Rectangular Periodic Comb-Type Waveguide**  
parameters of cophasal and antiphasal waves are compared. Dispersion-  
curve family and coupling impedances for both types of waves are presented.  
Bibliography: 5 items.

A.M.B.

Card 2/2

9(1)

SOV/112-59-4-8116

Translation from: Referativnyy zhurnal. Elektrctekhnika, 1959, Nr 4,  
pp 245-246 (USSR)

AUTHOR: Trunova, N. V.

TITLE: Choice of Dimensions of a Delaying Comb-Type Structure in a Rectangular  
Waveguide From Specified Electromagnetic Parameters

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Radiotekhnika, 1958, Nr 2,  
pp 141-148

ABSTRACT: Families of curves are presented which permit selecting dimensions  
of a rectangular waveguide with a double comb-type structure; the guide is  
used as a delaying element in a TW-tube; the delay is calculated from specified  
values of the maximum frequency, power, and efficiency of the tube. Graphs  
are presented for both cophasal and opposite-phase waves. From author's  
summary.

Card 1/1

VOSKRESENSKIY, D.I.; GRANOVSKAYA, R.A.; DERYUGIN, L.N.; NAUMENKO, Ye.D.;  
TRUNOVA, N.V.

Delay system of a periodic structure with contactless plates. Izv.  
vys.ucheb.zav.; radiotekh. no.4:480-489 Jl-Ag '58.

(MIRA 11•11)

1. Rekomendovana kafedroy radioperedayushchikh ustroystv Moskovskogo  
ordena Lenina aviationsonnogo instituta im. Sergo Ordzhonikidze.  
(Microwaves)

TRUNOVA, N. V.

Selecting dimensions according to given electromagnetic parameters  
for a retarder comb-shaped structure in rectangular wave guides.  
Izv. vys. ucheb. zav.; radiotekh. no.2:141-148 Mr-Ap '58.

(MIRA 11:5)

1. Rekomendovana kafedroy radioperedayushchikh ustroystv Moskovskogo  
ordena Lenina aviationskogo instituta im. Sergo Ordzhonikidze.  
(Wave guides) (Traveling-wave tubes)

SOV/142-58-5-7/23

9(3)  
AUTHORS: Voskresenskiy, D.I., Granovskaya, R.A., Deryugin, L.N., Naumenko,  
Ye.D., and Trunova, N.V.

TITLE: Measuring of Coupling Resistances of a Retardation System with  
Non-Contacting Plates

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, radiotekhnika, 1958, Nr 5,  
pp 565-572 (USSR).

ABSTRACT: The authors describe methods to determine coupling resistances of a periodic retardation system with non-contacting plates. For measuring, the method of "absorbing switching-in" is used, which measures the change of durability of the resonance dummy with a retarding system. It starts with bringing a small absorbing element into the resonator (Fig.1). By experiments, it was found, that the presence of four metal tie plates, arranged symmetrically within the knots of an electric field (Fig.5 and 6), did not change the characteristics of the system. Neither did displacing the tie plates from the knots over a distance of  $\pm 15$  mm lead to a considerable change of characteristics. The article is recommended by

Card 1/2

SOV/142-58-5-7/23

Measuring of Coupling Resistances of a Retardation System with Non-Contacting Plates

the Kafedra radioperedayushchikh ustroystv Moskovskogo ordena Lenina aviationskogo instituta imeni Sergo Ordzhonikidze (Chair of Radio Transmission Devices at Moscow Institute for Aviation imeni Sergo Ordzhonikidze of the Order of Lenin). There are 3 figures, 3 graphs, 10 equations and 4 references, 1 of which is Soviet, 2 English and 1 German.

SUBMITTED: March 17, 1958

Card 2/2

TRUNOVA, N.V.

Cophased waves in a rectangular wave guide with a periodic comb-shaped structure. Izv. vys. ucheb. zav.; radiotekh. no.1:105-122 Ja-F '58. (MIRA 11:4)

1. Rekomendovana kafedroy radioperedayushchikh ustroystv Moskovskogo ordena Lenina aviationsionnogo instituta.  
(Microwaves) (Wave guides)

AGRANOVSKY, Anatoliy Abramovich, zhurnalist; TRUNIOVA, O.V., red.

[Open eyes: a documentary tale] *Otkrytye glaza; dokumental'naiia povest'*. Moskva, Sovetskaiia Rossia, 1963. 279 p.  
(MIRA 17:9)

1. Spetsial'nyy korrespondent "Izvestiy."

I.

USSR/Plant Physiology - Heat Cycle.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95659

Author : Tumanov, I.I., Trunova, T.I.

Inst : -  
Title : Hardening of Tissues in Winter Plants by Means of Sugars  
Absorbed from an External Solution.

Orig Pub : Fiziol. rasteniy, 1957, 4, No 5, 397-408

Abstract : 5 mm of a section of coleoptiles of grains, isolated from 3-day germinations, were threaded in glass needles, placed in moist chambers, and put into a refrigerator with the temperature somewhat over 0°, where they passed through the first phase of hardening. For the second phase, the needles with the coleoptiles were placed for 3 days on dry filter paper in a refrigeration cabinet with the temperature from -3 to -40. Then the temperature was decreased as desired; in the following days part of the material was removed, the temperature decreased

Card 1/3

USSR/Plant Physiology - Heat Cycle.

I.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95659

anew etc. After thawing for 4-5 hours at 0°, the coleoptiles were placed in an incubator in a moist chamber on filter paper moistened with a 2% solution of saccharose and for 24 hours the growth of the surviving sections were determined. The first phase of hardening was more successful with the coleoptiles kept in saccharose (optimal concentration for Vyatka winter rye 12%), than in water. With the hardening of the coleoptiles in water, the content of sugars in them fell sharply, while in the saccharose solution the content increased, especially rapidly in the first days. Ketoses, in addition, was accumulated 2-3 times more than aldose. One week was sufficient to guarantee high frost resistance, during which the size of osmotic pressure in the cells of the coleoptiles of Vyatka winter rye almost doubled. The first phase of hardening proceeded successfully in isotonic solutions of saccharose, raffinose and maltose. The protective

Card 2/3

- 17 -

TRUNOVA, T. I. Cand Biol Sci -- (diss) "Physiology of hardening of the tissues of winter cereals against low temperatures." Mos, 1958. 23 pp  
(Inst of Physiology of Plants im K. A. Timiryazev, Acad Sci USSR), 130 copies (KL, 13-58, 95)

~~TUMANOV, I.I.; TRUNOVA, T.I.~~

Effect of growth processes on the hardening capacity of tissues in  
winter plants [with summary in English]. Fiziol. rast. 5 no.2:112-122  
Mr-Ap '58.

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR, Moskva.  
(Plants--Frost resistance)

TUMANOV, I.I.; TRUNOVA, T.I.

Laboratory method for hardening winter wheat against frost  
in saccharose solution in the dark. Agrobiologija no.2:273-281  
Mr-Ap '63. (MIRA 16:7)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.  
(Plants--Frost resistance) (Wheat) (Sucrose)

TUMANOV, I.I.; TRUNOVA, T.I.

First phase in the frost hardening of winter crops kept in sugar  
solutions in darkness [with summary in English]. Fiziol. rast.  
10 no.2:176-188 Mr-Ap '63. (MIRA 16:5)

I. K.A. Timiriazev Institute of Plant Physiology, U.S.S.R.  
Academy of Sciences, Moscow.  
(Plants—Frost resistance)  
(Plants, Effect of sugars on)

SATAROVA, N.A.; TRUNOVA, T.I.

International Symposium On Cytoecology. Fiziol. rast. 11  
no.1:156-158 Ja-P '64. (MIRA 17:2)

TRUNOVA, T.I.

Light and temperature conditions during the hardening of winter wheat and the significance of oligosaccharides for frost resistance. Fiziol.rast. 12 no.1:85-93 Ja-F '65. (MIRA 18:3)

1. Institut fizilogii rasteniy imeni Timiryazeva AN SSSR, Moskva.

TRUNOVA, T.I., kand. biolog. nauk

Preserving poorly wintering winter and spring forms of wheat  
during fall, winter and spring. Agrobiologija no.5:587-  
690 S-0'63. (MIRA 17:5)

I. Institut fiziologii rasteniy AN SSSR.

TRUNOVA, T.L.; TSENOV, A.S.

Characteristics of the frost hardening of spring wheat plants  
in a sucrose solution in the dark. Fiziol.rast. 12 no.4:727-  
730 Jl-Ag '65. (MIRA 18:12)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva AN SSSR,  
Moskva, i Institut pshenitsy i podsolnechnika, Bolgariya,  
Tolbukhin. Submitted February 23, 1964.

TUMANOV, I.I.; KRASAVTSEV, O.A.; TRUNOVA, T.I.

Survival of winter wheat at -195° as a result of vitrification.  
Dokl. AN SSSR 161 no.4:978-981 Ap '65. (MIRA 18:5)

1. C allen-korrespondent AN SSSR.

KOTEL'NIKOV, V.A.; DUBROVIN, V.M.; MOROZOV, V.A.; PETROV, G.M.;  
RZHIGA, O.N.; TRUNOVA, Z.G.; SHAKHOVSKOY, A.M.

Results of Venus radar probes conducted in 1961. Radiotekh.  
i elektron. 7 no.11:1860-1872 N '62. (MIRA 15:11)

1. Institut radiotekhniki i elektroniki AN SSSR.  
(Venus probes)  
(Radar)

L 06122-67 FSS-2/EWT(1) GW/WR  
ACC NR: AP6027911

SOURCE CODE: UR/0105/66/000/006/0001/0007

AUTHOR: Kuznetsov, B. I.; Lishin, I. V.; Trunova, Z. G.

ORG: Institute of Radio Engineering and Electronics, AN SSSR (Institut  
radiotekhniki i elektroniki AN SSSR)

TITLE: Planetary radar probes

SOURCE: Elektrichestvo, no. 6, 1966, 1-7

TOPIC TAGS: parametric amplifier, radio astronomy, planetary astronomy, planetary  
probe, Venus planet

ABSTRACT: This is a general survey of several aspects of planetary radar probes. A brief historical account of successful radar soundings of the various planets and the moon is given, and the essential features of a modern deep-space radar are described. Particular attention is directed at a simplified explanation of radar operation in the range measurement mode. Information is also given with respect to antenna and transmission equipment requirements and the operating principles of paramagnetic and parametric amplifier systems. The method of linear frequency modulation is described, and a simplified block diagram of an FM modulator is analyzed. The operation of a weak signal analyzer is explained. The paper discusses the determination of the astronomical unit, refinement of planetary orbital parameters, radar

Card 1/2

UDC: 621.396.969

13

B

I 06122-67  
ACC NR: AP6027911

investigations of planetary surfaces, and the establishment of the period of rotation of the planet Venus. It is concluded that planetary radar probes are an integral part of the Soviet space program, and that results achieved in this field are, for the most part, in substantial agreement with analogous findings in other countries. Orig. art. has: 2 tables and 9 figures.

SUB CODE: 17,03/ SUBM DATE: 06May65

Card 2/2 LC

MOROZOV, V.A.; TRUNOVA, Z.G.

Weak signal analyzer used in radar Venus probes in 1961.  
Radiotekh. i elektron. 7 no.11:1880-1889 N '62. (MIRA 15:11)

1. Institut radiotekhniki i elektroniki AN SSSR.  
(Radar)  
(Venus probes)

"APPROVED FOR RELEASE: 03/14/2001

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APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0"

CH 7

The influence of the welding flame on the metallurgy of the welding processes. Valentin Trunzitz. Berg- u. Montan. Monatsh. monat. Hochschule Leoben 95, 259-62 (1960).—A general discussion of the  $\text{C}_2\text{H}_2\text{-O}_2$  flame with different pressures and ratios of gas to air with respect to weld properties.  
M. Harterheim

5(3), 5(4)

SOV/79-29-8-42/81

AUTHORS: Gitis, S. S., Trunov-Krasovskiy, V. I.

TITLE: Reactions of the Aromatic Nitro Compounds. VI. On the Mechanism  
of the Re-etherification Reaction of Ethers of 2,4-Dinitrophenol

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2648-2651 (USSR)

ABSTRACT: In the papers available (Ref 1) it was assumed that the re-  
etherification of the alkyl ethers of 2,4,6-trinitro- and  
2,4-dinitrophenol takes place according to mechanism A. It can,  
~~however~~, also proceed according to scheme B which excludes  
the formation of the affiliation product (II). In order to  
investigate according to what mechanism this reaction would  
have to take place, such model molecules must be chosen which  
allow only one of the two alternatives. If mechanism A is taken  
into consideration, the 3-methoxy-4,6-dinitrotoluene would have  
to yield, on re-etherification, the 3-ethoxy-4,6-dinitrotoluene,  
since the methyl group causes the addition of the alkoxy group  
to the carbon atom of the benzene nucleus in which it is placed  
(Scheme 2). Mechanism B being under consideration, the initial  
product would have to separate out, since the meta-position to  
the methoxy group is occupied by the methyl group. On re-etheri-

Card 1/2

Reactions of the Aromatic Nitro Compounds. VI. On the SOV/79-29-8-42/81  
Mechanism of the Re-etherification Reaction of Ethers of 2,4-Dinitrophenol

fication of (V), however, compound (VII) was formed which confirms mechanism A. The reaction of 1,3-dimethoxy-4,6-dinitrobenzene can also take place according to mechanism A (Scheme 3). The re-etherification produced 1,3-diethoxy-, di-propoxy-, dibutoxy-, and diamoxy-4,6-dinitrobenzene. The readiness of this course of reaction in all cases indicates that the extension of the chain of the normal radical of the alkoxy group does not hinder the reaction. A new method of synthesizing the alkyl ether of 4,6-dinitroresorcinol was suggested. The re-etherification of ethers of 2,4-dinitro-, and 2,4,6-trinitrophenol was thus shown to proceed via the stage of formation of the intermediate product of the quinol type (Mechanism A). There are 1 table and 6 references, 3 of which are Soviet.

ASSOCIATION: Dnepropetrovskiy gosudarstvennyy universitet (Dnepropetrovsk State University)

SUBMITTED: July 14, 1958

Card 2/2

MOROZOV, B.N.; TRUNOVSKAYA, A.S.

Efficient utilization of hides. Kozh.-obuv. prom. 6 no.2:  
42-44 F'64. (MIRA 17:5)

PROKOF'YEV, Konstantin Alekseyevich; SAMSONOV, Yury Artem'yevich;  
CHERNOV, Sergey Konstantinovich; MOISEYEV, A.A., prof.,  
doktor tekhn.nauk, retsenzent; TRUNTAYEV, V.V., kand.tekhn.nauk,  
retsenzent; KOKICHEV, V.N., nauchnyy red.; VLASOVA, Z.V., red.;  
TSAL, R.K., tekhn.red.

[Vibrations in the parts of marine turbomachine units] Vibratsiya  
detalei sudovykh turboagregatov. Leningrad, Gos.soiuznoe izd-vo  
sudostroit.promyshl. Vol.1. 1961. 550 p.

(MIRA 15:2)

(Marine turbines--Vibrations)

TRUNTSEV, D.S.

KISLITSYN, S.I.; SHIRKOV, I.P.; VENGEROVSKIY, V.A.; FEDOROV, D.F.;  
VAZHNOV, B.N.; TRUNTSEV, D.S.

Rostrum of periodical's readers, inventors, efficiency promoters,  
and innovators at readers' conference in Moscow. Izobr. v SSSR  
2 no.9:37 S '57. (MIRA 10:10)

1.Deputat Verkhovnogo Soveta SSSR (for Shirkov). 2.Zavod "Serp i  
molot" (for Fedorov, Truntsev) 3.Byuro sodeystviya ratsionalizatsii  
i izobretatel'stvu Nauchno-issledovatel'skogo instituta Drevmash  
(for Vazhnov).

(Moscow--Inventions)  
(Moscow--Suggestion systems)

KLEMENT'YEVA, A.I.; SKOROKHODOV, M.A.; Prinimali uchastiye: ALEKSANDROV, G.P.; BABUN, F.Ya.; BAYBARIN, P.P.; VAYNSHTEYN, TS.Z.; GUSEV, L.V.; ZHETVIN, N.P.; KONTSEVAYA, Ye.M.; LEVINA, M.M.; NOVLYANSKAYA, K.A.; PODVOYSKIY, L.N.; THUNTSEV, D.S.; FLEROV, N.G.; CHIKHACHEV, I.A.; YUROV, Yu.M.; GUDKOVA, N., red.; YEGOROVA, I., tekhn.red.

[Light over the gate] Svet nad zastavoi. Moskovskii rabochii,  
1959. 422 p. (MIRA 12:4)  
(Moscow--Metallurgical plants)

SOV/137-57-11-20910

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 40 (USSR)

AUTHOR: Truntsev, D.S.

TITLE: Improvements in Transfer and Auxiliary Operations at the Serp i Molot Plant (Sovershenstvovaniye peregruzochnykh i vspomogatel'nykh rabot na zavode "Serp i molot")

PERIODICAL: Mekhaniz. trudoyemkikh i tyazh. rabot, 1957, Nr 1, pp 28-32

ABSTRACT: 312 measures were undertaken during the Fifth Five-year Plan. A total annual saving of 10 million rubles has been attained, 300 workers were released, and over 2000 workers were freed of menial duties. For example, the auxiliary jobs involved in repair of open-hearth furnaces were subjected to all-round mechanization in Open-hearth Shop Nr 2. In the rolling shop, the "250" small-section merchant mill had its wire reels with fixed drums replaced by rotating drums, and reel control was automated. A hook conveyer was built to remove and transfer coiled rods. Moreover, a number of subsidiary operations were mechanized on the first stand of the mill by installation of additional tables, a mechanical operator,

Card 1/2

SOV/137-57-11-20910

Improvements in Transfer and Auxiliary Operations (cont.)

and a manipulator. In the sheet mill, monorail transfer of buckets to the pickling machines has been mechanized, automatic clamps have been installed in one mill, and a number of auxiliary operations have been mechanized, including positioning of the sheets against stops as they emerge from the oiling machine. A number of auxiliary operations have been mechanized in the sizing shop. The drawbenches have been equipped with additional lever devices for mechanically ejecting the metal from the mills into bins. A machine tool of original design has been made to scarf hexagonal bars to reveal surface defects. In the heat-treating department, the job of ramming the bar metal into tubes subjected to bright annealing has been mechanized. In the bar-grinding department, automatic equipment of original design has been developed and installed for delivering thin rods to centerless grinders, etc.

L.S.

Card 2/2

TRUNTSEV, D.S., inzhener.

Improving reloading and auxiliary operations at the "Serp i molot"  
plant. Mekh.trud.rab. 11 no.1:28-32 Ja '57. (MLRA 10:5)

1. Metallurgicheskiy zavod "Serp i molot".  
(Metallurgical plants--Equipment and supplies)  
(Loading and unloading)

TRUNTSEV, D. S.

20743. Truntsev, D. S. Tainaya ogranizatsiya po pruzchino - raz pruzchiny i rukavichki na metallurgicheskem zavode «Dzer. i Vogel». Tekhnicheskiye trudy po tekhnike i tekhnicheskym rabot, 1949, No. 6, s. 45-47

cc: LETOPIS ZHURNAL STATIY - Vol. 78, Moskva, 1949

1. TRUNTSEV, D. S., Eng.
2. USSR (600)
4. Material Handling
7. Mechanization of laborious work at the metallurgical plant "Serp' i Molot." Mekh  
trud rab. No. 12 1952
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

TRUPP, B.I.

A.I. Pogorelov and B.I. Trupp, Kombayner M.A. Braga [Combine Operator M.A. Braga],  
Sel'khozgiz, 2.5 sheets.

Tells of the work experience of M.A. Braga, combine operator of the Bektersk  
MTS of Kherson Oblast. In 1949 he was awarded the title of Hero of Socialist Labor,  
and was decorated in 1950 and 1951 with the Order of Lenin. In the 1952 harvesting  
season he mowed 806.5 hectares and threshed 18,816 centners of grain.

SO: U-6472, 15 Nov 1954

TRUBLEVICH, B. I.  
25852

Sostoyaniye Serdtsa Pri Ostroy Sosudistoy  
Nedostatochnosti Krovoschra-Tichoniyi.  
Vrachek. Delo, 1948, No. 6, str. 473-474.

SO: LETOPIS NO. 30, 1948

TRUSOVICH, B. I.

25052 Trusovich, B. I. Sostoyaniye Seritsa Pri Ostryov Sosudistoy Nadezhdnoi i  
Krovedobrazhchessiya. Vracheb. Delo, 1948, No. 6, STB. 173-76

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1946

PA 38/49T69

TRUPAK, M.

USSR/Engineering  
Freezing  
Construction Equipment

Jan/Mar 49

"Using Artificial Refrigeration to Harden Earth Foundations by Freezing," Trupak, Engr, Laureate of Stalin Prize, 5 pp

"Kholodil Tekh" No 1

In past 20 years the freezing of soils has been used in 84 constructions, involving 625,000 cu m of earth. Gives examples of shafts, sluices, and bridge foundations constructed by this method. Discusses techniques of artificial, lasting freezing, and evaporation of the freezing agent in the columns. FDB

38/49T69

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0

TRUTAV, N. G., Eng'r. "Candidate Tech. Sci.

Dissertation: "Determination of Optimum Intervals Between Traversing Points." Inst. of  
Mining, Acad. Sci. USSR, 23 May 47.

CC: Vachernaya Moscow, May, 1947 (Project #17036)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0"

TRUPAK, N.G.

[The freezing method of shaft sinking] Prokhodka shakht sposobom  
zamorazhivaniia. Moskva, Ugletekhnidat, 1947. 275 p. (MLRA 7:2)  
(Shaft sinking)

TRUPAK, N. G.

PA 26T15

USSR/Engineering

Cementation

Mines and Mining

Oct. 1947

"Methods for Cementation of Fissured Rock," N. G.  
Trupak, 2 $\frac{1}{2}$  pp

"Gornyy Zhurnal" No 10

This can be accomplished in two ways: 1) by  
drilling to the fissure from the surface, or  
2) by drilling to the fissure from the walls of  
the shaft. States various mathematical formulae  
for calculating the amount of drilling necessary  
and the amount of cement needed to cement the  
fissure effectively. Three diagrams are given;

26T15

USSR/Engineering

(Contd) Oct 1947

two of which show cementation from the surface  
and one showing cementation from the sides of the  
shaft.

1C

26T15

TEUPAK,N.G., dotsent, laureat Stalinskoy premii

Mobile soil freezing units. Stroi.prom.25 no.2:15-17 F'47.  
(Soil stabilization) (MLRA 8:12)

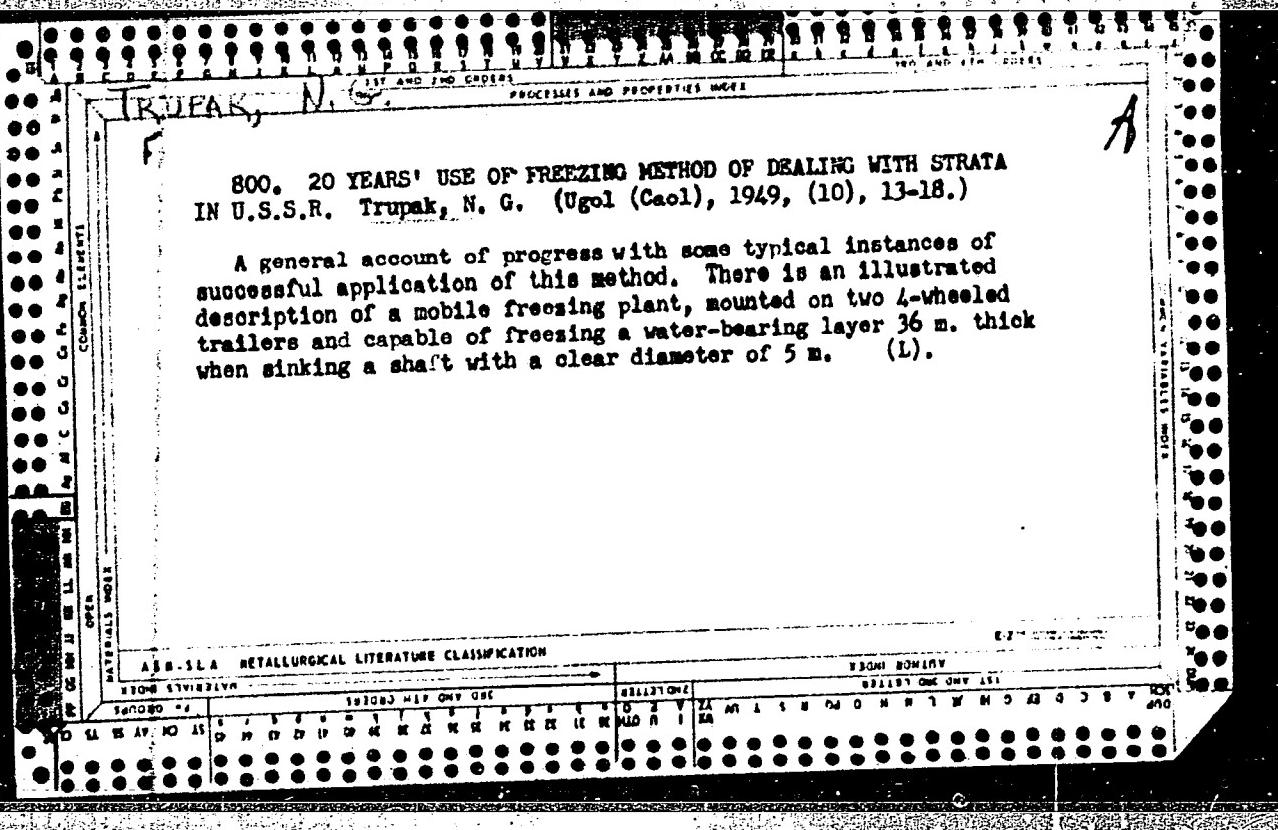
TA713.T7

Frozen ground and the construction industry 1948

TA713.T7

1. Soil mechanics.

2. Frozen ground



TRUPAK, N. T.

5513. SPECIAL METHODS OF SINKING PIT SHAFTS. (СПЕЦИАЛЬНЫЕ МЕТОДЫ ПРОДОЛЖАНИЯ ШАХТНЫХ СВЕРЛЕК). Trupek, H. G. Moscow, Leningrad: 1950, 228pp.; title in Recent Acquisitions, Brit. Museum).

Inadequate source clipping

1. TRUPAK, N.G.
2. USSR (600)
4. Technology
7. Special mining methods. Moskva, Ugletekhizdat, 1951.
  
9. Monthly List of Russian Acquisitions, Library of Congress, February, 1953. Unclassified.

2100 Trupak, N.G.

Opredelenie Velichinl Gornogo Davleniya I Raschet Tolshinl Krep  
Gorizontaliylkh Vlrabotok. Uchb Posobie K Kursam Provedenie I  
Kreplenie Gornikh Vlrabotok, Prokhodka Gorno-Razvedochnlkh  
Vlrabotok. Dlya Studentov Gornogo Fak. Utv. 4 Vi 1954. G. M., 1954.  
62 s. Ill. 20 sm. (Vsescyuz. Zaoch. Politekhn. In-T). 2.000 EKZ. Bespl.--  
(54-55815) 622.83-622.28

TRUPAK, N.G.; DORMAN, Ya.A., redaktor; SANOVICH, P.O., redaktor; ALADOVA,  
Ye.I., tekhnicheskiy redaktor

[Soil freezing in shaft sinking] Zamorazhivanie gornykh porod pri  
prokhodke stvolov. Moskva, Ugletekhizdat, 1954. 894 p. (MLRA 8:3)  
(Shaft sinking) (Soil freezing)

TRUPAK, Nikolay Grigor'yevich

TRUPAK, Nikolay Grigor'yevich (All-Union Correspondence Polytechnic Inst), Academic degree of Doctor of Technical Sciences, based on his defense, 20 January 1955, in the Council of the Inst of Mining Acad Sci USSR, of his dissertation entitled: "The freezing of rock in sinking shafts" (monograph, Published by Ugletekhizdat, Moscow, 1954).

For the Academic Degree of Doctor of Sciences

Byulleten' Ministerstva Vysshego Obrazovaniya SSSR, List No. 7, 31 March 1956  
Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

JPRS 512

TRUPAK, Nikolay Grigoryevich; MIKHEYEV, G.F., redaktor; PARTSEVSKIY, V.N.,  
redaktor izdatel'stva; EVENSON, I.M., tekhnicheskiy redaktor

[Cementing fissured rock in mining] TSementatsiya treshchinovatyykh  
porod v gornom dele. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po  
chernoi i tsvetnoi metallurgii, 1956. 418 p. (MLRA 10:3)  
(Mining engineering) (Cement)

TRUPAK, N.G., doktor tekhnicheskikh nauk.

Special shaft sinking methods used abroad. Gor.zhur.no.8:35-43  
Ag '56. (Shaft sinking) (MLRA 9:10)

TRUPAK, N.G., professor, doktor tekhnicheskikh nauk.

Thirty years of use by the U.S.S.R. of artificial freezing of  
rocks. Shakht.stroi. no.4:1-5 Ap '57. (MIRA 10:7)  
(Mining engineering) (Frozen ground)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0

TRUPAK, N.G., prof., doktor tekhn.nauk.

Developing methods of artificial soil freezing in the U.S.S.R.  
Stroi.prom. 35 no.11:14-18 N '57. (MIRA 10:12)  
(Soil freezing)

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CIA-RDP86-00513R001756820011-0"

THUPAK, Nikolay Grigor'yevich, prof., doktor tekhn. nauk; GORITSKIY, A.V.,  
otvetstvennyy red.; ZVORYKINA, L.N., red. izd-va; LOMILINA, L.N.,  
tekhn. red.

[Special methods for working mines] Provedenie gornykh vyrabotok  
spetsial'nymi sposobami. Moskva, Ugletekhnizdat, 1958. 319 p.  
(Mining engineering) (MIRA 11:10)

ANDROS, I.P., inzh.; ASSONOV, V.A., kand. tekhn. nauk.; BERNSHTEYN, S.A., inzh.; BOKIY, B.V., prof.; BROVMAN, Ya.V., inzh. BONDARENKO, A.P., inzh.; BUCHNERV, V.K., kand. tekhn. nauk; VERESKUNOV, G.P., kandi. tekhn. nauk; VOLKOV, A.P., inzh.; GELESKUL, M.N., kand. tekhn. nauk; GORODNICHEN, V.M., inzh.; DEMENT'YEV, A.Ya., inzh.; DOKUCHAYEV, M.M., inzh.; DUBNOV, L.V., kand. tekhn. nauk; EPIFANTSEV, Yu.K., kand. tekhn. nauk.; FERASHKO, I.S., inzh.; ZHEDANOV, S.A., kand. tekhn. nauk; ZIL'BERBROD, A.F., inzh.; ZINCHENKO, E.M., inzh.; ZORI, A.S., inzh.; KAPLAN, L.B., inzh.; KATSAUROV, I.N., dots.; KITAYSKIY, E.V., inzh.; KRAVTSOV, Ye.P., inzh.; KRIVOROG, S.A., inzh.; KRINITSKIY, L.M., kand. tekhn. nauk; LITVIN, A.Z., inzh.; MALEVICH, N.A., kand. tekhn. nauk; MAN'KOVSKIY, G.I., doktor tekhn. nauk; MATKOVSKIY, A.L., inzh.; MINDELI, E.O., kand. tekhn. nauk; NAZAROV, P.P., kand. tekhn. nauk; NASONOV, I.D., kand. tekhn. nauk; NEYYENBURG, V.Ye., kand. tekhn. nauk; POKROVSKIY, G.I., prof., doktor tekhn. nauk; PROYAVKIN, E.T., kand. tekhn. nauk; ROZENBAUM, inzh.; ROSSI, B.D., kand. tekhn. nauk; SEMEVSKIY, V.N., doktor tekhn. nauk; SKIRGELLO, O.B., inzh.; SUKHUT, A.A., inzh.; SUKHANOV, A.F., prof., doktor tekhn. nauk; TARANOV, P.Ya., kand. tekhn. nauk; TOKAROVSKIY, D.I., inzh.; TRUPAK, N.G., prof., doktor tekhn. nauk; FEDOROV, S.A., prof., doktor tekhn. nauk; FEDYUKIN, V.A., inzh.; KHOKHLOVKIN, D.M., inzh.; KHRABROV, N.I., kand. tekhn. nauk; CHEKAREV, V.A., inzh.; CHERNAVSKIN, N.N., inzh.; SHREYBER, B.P., kand. tekhn. nauk; EPOV, B.A., kand. tekhn. nauk; YAKUSHIN, N.P., kand. tekhn. nauk; YANCHUR, A.M., inzh.; YAKHONTOV, A.D., inzh.; POKROVSKIY, N.M., otvetstvennyy red.; KAPLUN, Ya.G. [deceased], red.; MONIN, G.I., red.; SAVITSKIY, V.T.,

(Continued on next card)

ANDROS, I.P.----(continued) Canni 2.

red.; SANOVICH, P.O., red.; VOLOVICH, M.Z., inzh., red.; GORITSKIY,  
A.V., inzh., red.; POLUYANOV, V.A., inzh., red.; PADZIREV, E.I.,  
inzh., red.; CHECHKOV, L.V., red. izd-va; PROZOROVSKAYA, V.L.,  
tekhn. red.; NADIRINSKAYA, A.A., tekhn. red.

[Mining; an encyclopaedic handbook] Gornoe delo; entsiklopedicheskii  
spravochnik. Glav. red. A.M. Terpilov. Moskva, Gos. nauchno-  
tekhnicheskoy izd-vo lit-tiy po uglei' noi promst. Vol. 5 [Mining  
and timbering] Provedenie i kreplenie gornykh vyrabotok. Red-  
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(Mining timbering) (Mining engineering)

TRUPAK, N.G., doktor tekhn.nauk, prof.

Grouting of fissured rock. Ugol' Ukr. 3 no.2:10-13 P '59.  
(MIRA 12:3)

(Coal mines and mining) (Grouting)

TRUPAK, N.G., doktor tekhn. nauk

Is a cascade method of freezing necessary? Shakht. stroi.  
9 no. 12:22-24 D '65. (MIRA 18:12)

TRUPAK, N.G., prof., doktor tekhn. nauk

Experience in the building of underground units for rock crushing  
in waterlogged grounds. Gor. zhur. no.9:21-24 S '65. (MIRA 18:9)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut, Moskva.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0

TRUPAK, N.G., doktor tekhn. nauk; FEDYUKIN, V.A., inzh.

Handbook on "Boring equipment for shaft sinking and drilling  
holes." Shakht. stroi. 8 no.10:31 O '64. (MIRA 17:12)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0"

CHUPRUNOV, Grigoriy Dmitriyevich; TRUPAK, N.G., prof., retsenzent

[Principles of rock stabilization] Osnovy uprochneniya  
gornykh porod. Moskva, Nedra, 1965. 150 p.  
(MIRA 18:7)

PSHENICHNYY, A.A., inzh., Geroy SSSR, v. oborony, Trud; i. i. i. doktor  
tekhn.nauk

From our readers. Shakht.stroi. 9 no.4:27-29 Ap '65.  
(MIRA 18:5)

1. Nachal'nik 1-go shakhtoprokhodcheskogo upravleniya tres'ya  
Donetskshakhtoprokhodka (for Pshenicheny).

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0

TRUPAK, N.G., doktor tehnika

Improving the grouting rock. Shakht.stroi. 9 no.5r1-3 My '65.  
(MIRA 1826)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820011-0"

TYUT'NNIK, Petr Mikhaylovich. TRUPAK, N.G., prof., retsenzant

[Strength and stability of frozen rocks] Prochnost' i  
ustoichivost' zamorozhennykh gornykh porod. Moskva,  
Nedra, 1965. 76 p.  
(MIRA 18:4)

TRUPAK, N.G., prof., doktor tekhn. nauk

Working ore deposits at great depths. Gor. zhur. no.9;  
73-75 S '64. (MIRA 17:12)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut, Moskva.

TRUPAK, Nikolay Grigor'yevich; BOKIY, B.V., prof., ratsenzent

[Special mining methods] Spetsial'nye sposoby provedeniia  
gornykh vyrabotok. Izd.2., perer. i dop. Myskva, Nedra, 1964. 496 p.  
(MIRA 17:12)

SHREYBER, Boris Petrovich; TRUPAK, N.G., prof., doktor tekhn. nauk,  
retsenzent;

[Bituminization in underground construction] Bitumizatsiia v  
podzemnom stroitel'stve. 2. izd. Moskva, Izd-vo "Nedra,"  
1964. 278 p. (MIRA 17:5)

POKROVSKIY, N.M., prof., doktor tekhn.nauk; TRUPAK, N.G., prof.,  
doktor tekhn. nauk, retsenzent; CHECHKOV, L.V., red.  
izd-va; ZHIVRINA, G.V., tekhn. red.; LAVRENT'YEVA, L.G.,  
tekhn. red.

[Building and modernization of mines] Sooruzhenie i rekon-  
struktsia gornykh vyrabotok. Izd.5. Moskva, Gosgortekh-  
izdat. Pt.3. [Special methods of building and modernizing  
mines] Spetsial'nye sposoby sooruzheniya i rekonstruktsii  
vyrabotok. 1963. 313 p.  
(Mine engineering)

MALINOVSKIY, Vsevolod Aleksandrovich, prof., doktor tekhn. nauk;  
TRUPAK, N.G., prof., dokt. tekhn.nauk, otv. red.;  
GONCHAROVA, I.V., red.izd-va; SAGITULLINA, R.I., tekhn.  
red.

[Flotation process in dressing minerals] Flotatsionnyi  
protsess obogashcheniya poleznykh iskopаемых. Moskva,  
Izd-vo Vsesoiuz. zaochnogo politekhn. in-ta, 1960. 44 p.  
(MIRA 16:7)

(Flotation)

TRUPAK, Nikolay Grigor'yevich, prof., doktor tekhn. nauk; BORODIN, N.V.,  
gornyy inzh., retsenzent; ZIMIN, V.N., gornyy inzh., retsenzent;  
SANOVICH, P.O., gornyy inzh., red.; PETRAKOVA, Ye.P., red. izd-va;  
SHKLYAR, S.Ya., tekhn. red.

[Ways of controlling water during shaft sinking in potash and  
salt mines] Sposoby bor'by s vodoi na kaliinykh i solianykh rud-  
nikakh pri prokhodke stvolov. Moskva, Gos.nauchno-tekhn.izd-vo  
lit-ry po gornomu delu, 1961. 319 p. (MIRA 15:1)  
(Salt mines and mining) (Mine water)

SHIRAY, Yevgeniy Nikolayevich; TRUPAK, N.G., doktor tekhn. nauk, prof.,  
retsenzent; BRODSKIY, I.A., ovt. red.; PETRAKOVA, Ye.P., red.  
izd-va; LOMILINA, L.N., tekhn. red.; MINSKER, L.I., tekhn. red.

[Vibration method of shaft sinking in shifting sands] Vibrometod  
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(Shaft sinking)

SHKABARA, Mikhail Nikolayevich, doktor geologo-mineral.nauk; TRUPAK,  
N.G., otv.red.; CHECHKOV, L.V., red.izd-va; PETRAKOV, Ye.P.,  
red.izd-va; IL'INSKAYA, G.M., tekhn.red.

[Generalization of rock grouting practices] Obobshchenie opyta  
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po gornomu delu, 1960. 142 p.  
(Grouting) (Mining engineering)  
(MIRA 13:12)

CHEL'TSOV, Mikhail Ivanovich; SLOBODKIN, Dmitriy Savvich; FADEYEV,  
Yevgeniy Ivanovich; SKIRGILLO, Ol'gert Boleslavovich; POLYAK,  
Aron L'vovich; ZHUK, Boris Vasil'yevich; POLYAKOV, Nikolay  
Mikhaylovich; NIKOLAYENKO, Aleksey Timofeyevich; FAYNEBERG,  
Grigoriy Solomonovich; YUDITSKIY, Grigoriy Izrailevich; DORO-  
SHENKO, Grigoriy Nesterovich; TRUPAK, N.G., prof., doktor tekhn.  
nauk, obshchiy red.; SMIRNOV, L.V., red.izd-va; KONDRAT'YEVA,  
M.A., tekhn.red.

[Handbook on special methods of shaft sinking] Spravochnik po  
prokhodke stvolov shakht spetsial'nymi sposobami. Moskva, Gos.  
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(MIRA 13:4)

(Shaft sinking)

TRUPAK, N.G., doktor tekhn. nauk, prof.

Special mining methods should be used in the Kuznetsk Basin.  
(MIRA 13:3)  
Shakht. stroi. no.12:7-11 D '59.  
(Kuznetsk Basin--Coal mines and mining)

SHEVYAKOV, L.D., akademik, red.; YERSHOV, N.N., red.; MAN'KOVSKIY, G.I., doktor tekhn.nauk, red.; MEL'NIKOV, N.V., red.; NIKONOV, G.P., red.; TRUPAK, N.G., red.; UNKOVSKAYA, N.F., red.; USKOV, A.A., red.; YERSHOV, N.N., otv.red.; CHEKHOVSKAYA, T.P., red.izd-va; KOROVENKOVA, Z.A., tekhn.red.

[Transactions of the scientific-technological conference on problems of building mining enterprises in mineral deposit areas with difficult hydrogeology and engineering geology conditions] Trudy Nauchno-tehnicheskogo soveshchaniia po voprosam stroitel'stva i ekspluatatsii gornykh predpriyatii na mestorozhdeniakh poleznykh iskopayemykh so slozhnymi gidrogeologicheskimi i inzhenerno-geologicheskimi usloviyami. Moskva, Ugletekhizdat, 1959. 510 p.

(MIRA 12:12)

1. Nauchno-tehnicheskoye soveshchaniye po voprosam stroitel'stva i ekspluatatsii gornykh predpriyatiy na mestorozhdeniyakh poleznykh iskopayemykh so slozhnymi hidrogeologicheskimi i inzhenerno-geologicheskimi usloviyami. Moscow, 1957. 2. Institut gornogo dela AN SSSR (for Man'kovskiy, Unkovskaya). 3. Predsedatel' pravleniya Nauchno-tehnicheskogo gornogo obshchestva (for Uskov).

(Mining engineering) (Mining geology)

PA 15/49T105

TRUPAK, N. I., DOCENT

USSR/Mining Methods  
Freezing

Sep 48

"Deep Freezing of Ground," Docent N. I. Trupak,  
Laureate of the Stalin Prize, 2½ pp

"Gor Zhur" No 9

Refers to article by M. M. Furshchik ("Gor Zhur"  
No 3, 1947). Freezing ground of potash shafts by  
Furshchik's method is impracticable.

15/49T105

FDB

TRUPAK, N. R.

Technology

Special methods of conduction mining operations, Moskva, "gletekhizdat, 1951

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SLOBODKIN, Dmitriy Savvich; THUPAK, Ye.V., redaktor; KOROVENKOVA, Z.A.  
tekhn. redaktor.

[Characteristics of running ground and choice of method for sinking  
shafts] Svoistva plyvunov i vybor sposoba prokhodki stvolov  
shakht. [Moskva] Ugletekhnizdat, 1955. 122 p. (MLRA 8:8)  
(Shaft sinking) (Soil mechanics)

KACHURINA, N.Ya.; PROKOF'YEV, K.V.; TRUPANOVA, A.G.

Isolation of aromatic hydrocarbons C<sub>9</sub> from high-boiling fractions formed in the process of xylene production. Nefteper. 1  
neftekhim. no.5:32-34 '65. (MIRA 18:7)

1. Kuybyshevskiy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti.

TRUMPAYTS, Yakov Il'ich; AFANAS'YEVA, Yelena Nikolayevna;  
Prinimali uchastiye: BRANDIS, S.A., dots.; AL'TER, M.S.;  
ROGOZIN, P.A., st. nauchn. sotr.; DENISCVA, I.S., red.;  
IGNAT'YEV, V.A., tekhn. red.

[Individual means for the protection of respiratory organs]  
Individual'nye sredstva zashchity organov dykhaniia; al'bom.  
Moskva, Profizdat, 1962. 54 p. (MIRA 16:7)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya  
po gorno-spasatel'nomu delu, Stalino (for Brandis).  
(Respirators) (Gas masks)